Nationally Determined Contributions - Transport Initiative for Asia (NDC-TIA, India Component)

Funded under the International Climate Initiative (IKI) by the German Federal Ministry of the Environment, Nature Conservation and Nuclear Safety (BMU)

"Status quo analysis of various segments of Electric mobility and low carbon passenger road transport in India"

Report Release - Agenda

Date: 04th February 2021 | **Venue/Channel:** Virtual | **Timing:** 17:30 to 18:30 hrs (IST)

Event Agenda	
17:30 – 17:40	**Opening Remarks**
	Dr. Winfried Damm Head of Indo-German Energy programme (IGEN) – GIZ
17:40 – 17:50	**Report Launch & Keynote Address by**
	Mr. Sudhendu Jyoti Sinha, Advisor NITI Aayog, Government of India
17:50 – 18:15	**Key Findings: Presentation**
	Mr. Anish Mandal, Director, Deloitte
18:15 – 18:25	**Question & Answer**
18:25 – 18:30	**Closing Remarks:** Dr. Indradip Mitra, Coordinator India Component, NDC-TIA, GIZ - India

Brief description of the Study

On behalf of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU), the Nationally Determined Contribution-Transport Initiative for Asia (NDC-TIA) is a joint project of seven organisations and with the engagement of China, India, and Vietnam. It aims at promoting a comprehensive approach on decarbonizing transport i.e. a coherent strategy of effective policies that are coordinated among various sector ministries, civil society, and the private sector. The overall aim of the project, which is being implemented by the consortium of seven organisations together to support countries in facilitating and informing these stakeholder processes and in developing selected climate actions. This enables partners to make a sectoral contribution towards achieving their NDCs and increase ambition in transport sections of long-term strategies and 2025 NDCs.

In this context, under the regional technical assistance programme NDC-TIA; one of the activities was to **"perform a status quo analysis/investigation on different segments in India"** (e.g. 2W, cars, trucks, buses, freights) under its International Climate Initiative (IKI). This analysis provided us the existing status, opportunities, challenges, gaps, and way forward for low carbon road transport in India. Different types and technologies, services, business models, standards, protocols, contribution in India's long-term NDCs and other climate action and clean energy targets were assessed for various segments of low carbon road transport including electric mobility.

The main objective or goal of this study was to examine the Low-Carbon Road Transport (LCRT)/E-mobility development, accomplishments so far, supported by the policy, schemes, and regulatory interventions in India.

The study explored the overall status of Low-Carbon Road Transport in India such as achievements, supporting policies and gaps, government schemes, incentives, regulatory mechanisms, implementation challenges, financial interventions, business models, research advancements, other key challenges, and way forward. Special focus was given to electric mobility sector for fulfilling the objective. It also distinguished the present clean-mobility landscape, critical challenges, emergent technology research advancement that are on the way of LCRT/ E-mobility systems electrification.

The findings from this report could enable policymakers, regulators, services, business models, and hence the Government of India to assess the need of actions, reform, and amendments required to increase the market uptake of LCRT/E-mobility in India.